Cryogenics

- Current Status
- Plans and issues

Current Status

Meson Detector Building

- CryoCap 2
  - Cryomodule is connected
  - Pressure test: November 30, 2005
  - Cool down to 4.5 K: week of December 5th, 2005
- Vacuum pump - 90% complete
- CTF purifier compressor - 85% complete
- Vacuum pump header installation - 60% complete
- Test cave controls - 40% complete
- Test cave cryogenic transfer line - 40% complete
- PD test cryostat distribution system - 10% complete
- PD front end cryogenic distribution system - 10% complete

November 23, 2005

Current Status (cont'd)

New Muon Lab

- Civil design for He gas storage tanks - on hold
- Specification for a new 30,000 gal He storage tank - on hold
- LN2 storage tank is being refurbished – 50% complete
- Mycom compressor is scheduled to be installed at Lab B in November - done
- Drawings and specification for Mycom piping contract are being completed – 95% complete
- Civil work on Mycom cooling water is in progress – 90% complete
- PS-1 heat exchanger relocation – 50% complete
- Helium purifiers – 20% complete
- NML refrigerator room piping layout – 80% complete
- Test cave distribution system – on hold
- Cryogenic controls – 10% complete

Plans and issues

Plans

- Finalize ILCTA and PDTA scope ASAP
- Develop project schedule based on the final scope and realistic resources available
- By the end of the year
  - Move vacuum pump skid to MS7
  - Finish MDB test cave supply transfer line
  - Finish MDB vacuum header installation
  - Start NML refrigerator room cleanout
  - Prime LN2 dewar
  - Compressor piping RFQ
  - Water piping RFQ
  - Send He storage tanks for code repair
  - Finalize purifier drawing package

Issues

- Resource availability
- Final scope should include program plans and milestones
- Organizational structure (meetings, sponsors, etc.)